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WHAT IS CLAIMED:

- 1. A purified human nucleic acid comprising SEQ ID NO 1, or the complement thereof.
- 2. The purified nucleic acid of claim 1, wherein said nucleic acid comprises a sequence encoding SEQ ID NO 2.
- 3. The purified nucleic acid of claim 1, wherein said nucleic acid encodes a polypeptide consisting of SEQ ID NO 2.
 - 4. A purified polypeptide comprising SEQ ID NO 2.
- 5. The polypeptide of claim 4, wherein said polypeptide consists of SEQ ID NO 2.
 - 6. An expression vector comprising a nucleotide sequence encoding SEQ ID NO 2, wherein said nucleotide sequence is transcriptionally coupled to an exogenous promoter.
- 7. The expression vector of claim 6, wherein said nucleotide sequence encodes a polypeptide consisting of SEQ ID NO 2.
 - 8. The expression vector of claim 6, wherein said nucleotide sequence comprises SEQ ID NO 1.
 - 9. The expression vector of claim 6, wherein said nucleotide sequence consists of SEQ ID NO 1.
- 10. A method of screening for a compound that is able to bind selectively to GRM2sv1 comprising the steps of:
 - (a) providing a GRM2sv1 polypeptide comprising SEQ ID NO 2;
 - (b) providing one or more GRM2 isoform polypeptides that are not GRM2sv1,

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- (c) contacting said GRM2sv1 polypeptide and said GRM2 polypeptide that is not GRM2sv1 with a test preparation comprising one or more test compounds; and
- (d) determining the binding of said test preparation to said GRM2sv1 polypeptide and said GRM2 polypeptide that is not GRM2sv1, wherein a compound that binds said GRM2sv1 polypeptide but does not bind said GRM2 polypeptide that is not GRM2sv1 is a compound that selectively binds said GRM2sv1 polypeptide.
- 11. The method of claim 10, wherein said GRM2sv1 polypeptide is obtained by expression of said polypeptide from an expression vector comprising a polynucleotide encoding SEQ ID NO 2.
 - 12. The method of claim 11, wherein said polypeptide consists of SEQ ID NO 2.
- 15 The method of claim 10, wherein said steps (b) and (c) are performed *in vitro*.
 - 14. The method of claim 10, wherein said steps (a), (b) and (c) are preformed using a whole cell.
 - 15. The method of claim 10, wherein said test preparation contains one compound.